

From: Jeff Carruesco [EH]
Sent: Friday, June 17, 2016 1:37 PM
To: Joab, Christine@Waterboards; Lisa Medina [EH]
Cc: Linda Turkatte [EH]
Subject: RE: Update on cyanobacteria conditions in Stockton Deep Water Ship Channel

Thanks for the information, Christine. We will be sure to modify the press release regarding the web link. Thanks also for the "toolkit" information. That looks like something we may post to our website.

Jeff

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From: Joab, Christine@Waterboards [mailto:Christine.Joab@waterboards.ca.gov]
Sent: Friday, June 17, 2016 1:14 PM
To: Lisa Medina [EH]; Jeff Carruesco [EH]
Subject: Update on cyanobacteria conditions in Stockton Deep Water Ship Channel

Hi Jeff and Lisa:

I wanted to provide you with some additional information for press releases and an update on the cyanobacteria conditions in the river.

First off, thank you for sharing with us your press release. I did share that with our CCHAB/State Water Board partners and US EPA. We did notice that the CCHAB webpage link did not work because there was a space rather than an underscore in the link on the release and that there was an incorrect web link for the USEPA's effort on cyanobacteria. I am including the correct webpage links (below) and some additional links for any future announcements or postings that you may make.

1. **California CyanoHAB Network** webpage:
http://www.mywaterquality.ca.gov/monitoring_council/cyanohab_network/index.html
2. **State Water Board's Surface Water Ambient Monitoring Program (SWAMP) Freshwater CyanoHABs Program (Blue-Green Algae):**
http://www.waterboards.ca.gov/water_issues/programs/swamp/freshwater_cyanobacteria.shtml (Please note that in the future this webpage will be moved to the CCHAB webpage. No date has been provided of when this will happen so providing for your information.)
3. **United States Environmental Protection Agency CyanoHABS** webpage: https://www.epa.gov/nutrient-policy-data/cyano_habs
4. **California Department of Public Health Blue-Green Algae (Cyanobacteria) Blooms** webpage:
<https://www.cdph.ca.gov/HealthInfo/environhealth/water/Pages/Bluegreenalgae.aspx>

5. Centers for Disease Control and Prevention Cyanobacteria and Algae Blooms webpage:
<http://www.cdc.gov/nceh/hsb/hab/>

You might be interested in two items from the CDC. First, they have a Cyanobacteria HAB Toolkit, which is downloadable and customizable for local health departments and others to assist in their outreach efforts.

See: http://www.cdc.gov/nceh/hsb/hab/hab_toolkit.htm

Second, the CDC is working to promote the concept of a One Health approach by working with physicians, ecologists and veterinarians to monitor and control public health threats. You may be interested in learning more about this program for cyanoHABs and other issues like West Nile virus: <http://www.cdc.gov/onehealth/>

Finally, I wanted to provide you with an update on the latest cyanobacteria visual observations that were reported by the Department of Water Resources during their June 16 monitoring run in the San Joaquin River (Stockton Deep Water Ship Channel) from Prisoners Point to the Turning Basin. As I mentioned earlier, the Department of Water Resources will be monitoring these stations all through the summer and into early fall so I will continue to update you as I receive the information. Please see the image below on the cyanobacteria conditions along with their categorization chart. As expected, the colonies are becoming more dense in the river as we progress through our warm soon-to-begin summer season.

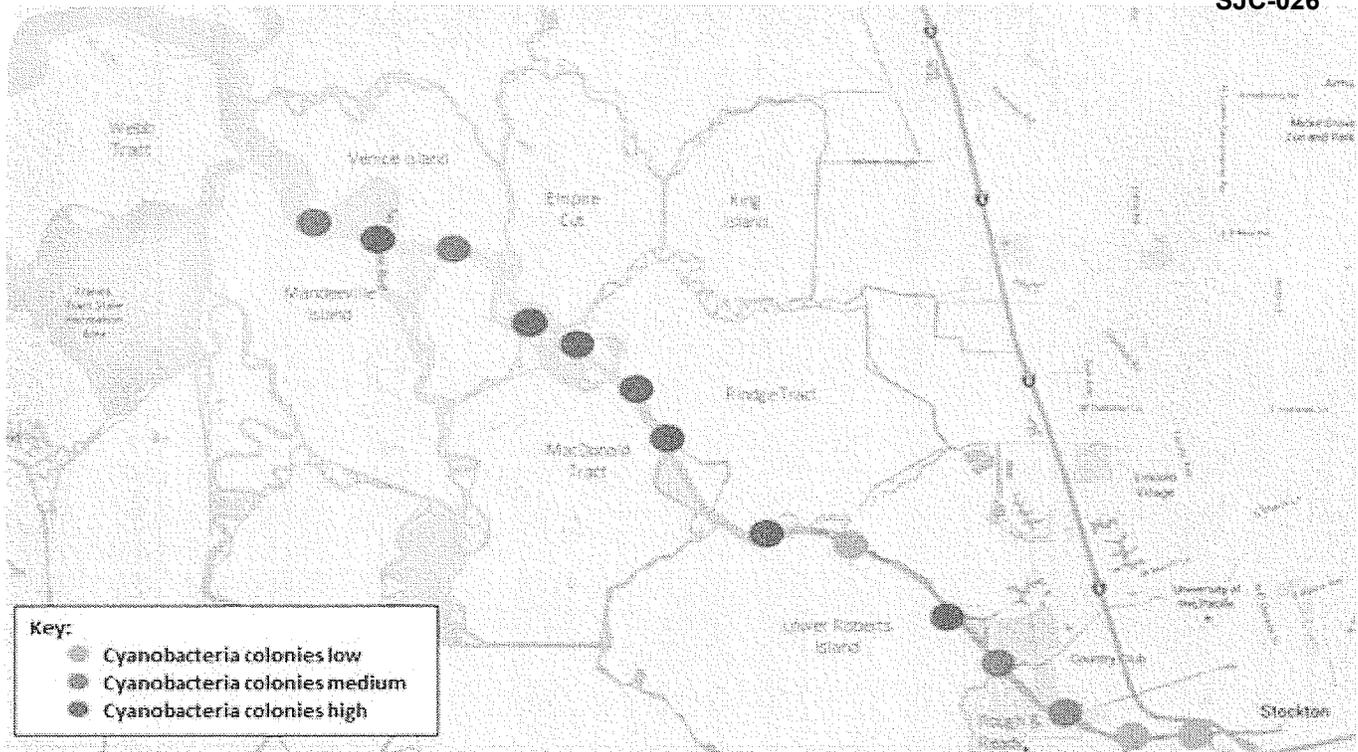
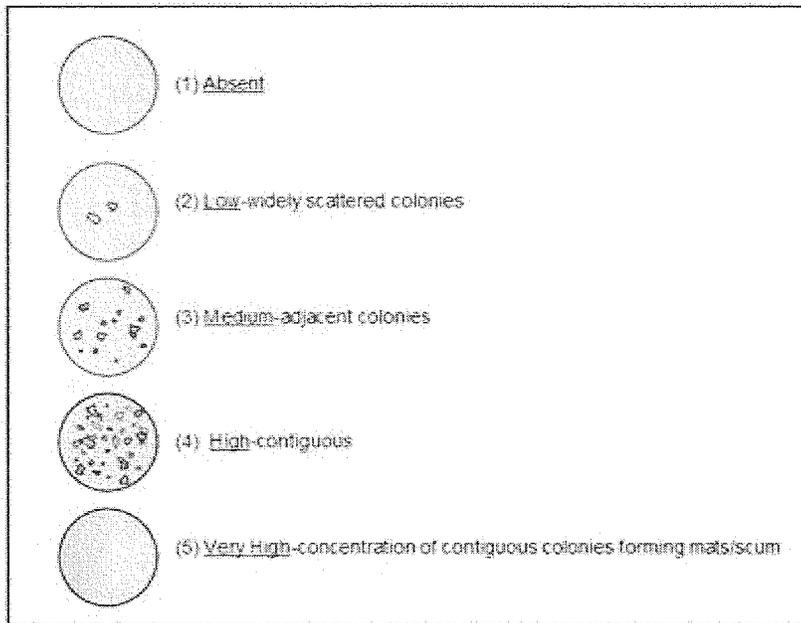


Figure of the San Joaquin River (Stockton Deep Water Ship Channel) showing densities of cyanobacteria (Microcystis) colonies



Please let me know if you have any questions. I did let CCHAB/State Board know that you are interested in Spanish text signs. They are working on uploading that information. Also, I was told that the symbols on the signs will be editable so that posting managers can create custom signs specific to the uses allowed in their waterbody.

Thanks,

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